LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

WILLARD QUARRIES, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of

limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 155 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres	Acres	Total	Site/Stream	Site
				Renewed	New	Acres	Name	Number
Laclede	01	34N	16W	10	0	10	Lebanon Quarry	0291
Laclede	28, 29	35N	15W	70	0	70	Sleeper Quar ry	0292
Laclede	15, 22	35N	15W	10	0	10	Sleeper East Quarry	0289
Pulaski	24, 25	36N	11W	55	0	55	St. Robert Quarry	0290
Webster	01	31N	18W	10	0	10	Marshfield Quarry	0293

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this

24th

day of

November 2004

/ DIRÉCTOR OF STAFF
Land Reclamation Commission

 Permit No.
 0210

 Effective Date
 01/01/2005

 Expiration Date
 12/31/2005

MO 780-1122 (6-95)



NOV 1 0 2004

MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION

PERMIT RENEWAL FORM FOR INDUSTRIAL MINERAL MINES P.O. BOX 176

IAME OF CORPORATION, COMPANY, PARTI	NERSHIP OR INDIVIDUAL		JEFFERSON DATE		
Willard Quarries, Inc.		11/2/2004			
DDRESS	CITY		STATE	ZIP CODE	
P.O. Box 1183	l ob	anon	мо	65536	
P.O. BOX 1163	Leo	anon	IMIC	05550	
ONTACT PERSON			TELEPHONE NUMBER		
David Willard			(417) 522	2720	
David Willard			(417) 532-	2720	
EES: COMPLETE SECTION I OR	SECTION II				
ECTION I. Fees: Open pit opera	tors and those mining more than 5,000 to	ns of sand a	nd/or gravel:		
To compute the site fee complete	the information below:				
	T		For sites operated less than	six months per	
TE NAME OR NUMBER	Mark each month that the site will be oper	ated during	permit year pay \$150		
dd a separate sheet for additional sites)	the permit year		For sites operated six month	s or more per	
Marshfield Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, I	Nov Dec	permit year pay \$300 \$150		
Lebanon Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, I		\$150		
St. Robert Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct,		\$300		
Sleeper Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct,		\$300		
Sleeper East Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct,		\$150		
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct,		\$0		
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct,		\$0		
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct,		\$0 \$0		
).	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct,		\$0		
OTAL SITE FEE	Joan, Feb, Mar, Apr, May, San, San, Aug, Cop, Co.,	>	\$1.050		
	number of acres bonded			_	
. Annual Permit Fee			\$500		
. Annual Permit Fee			\$500		
. Annual Permit Fee	nd 3)		\$500		
. Annual Permit Fee . Total Fee (Add totals from 1, 2, an NOTE: If Total Fee excee	nd 3)ds \$2,500.00 then pay only	per year:	\$500 \$2,325 \$2,500		
. Annual Permit Fee	nd 3)ds \$2,500.00 then pay onlyel operators mining less than 5,000 tons p	per year:	\$500 \$2,325 \$2,500		
Annual Permit Fee	ds \$2,500.00 then pay only	per year:	\$500 \$2,325 \$2,500 \$300	9-04	
Annual Permit Fee Total Fee (Add totals from 1, 2, an NOTE: If Total Fee excees ECTION II. FEES: Sand or grave Annual Permit Fee	ad 3)	per year:	\$500 \$2,325 \$2,500 \$300	9-04	
Annual Permit Fee	ds \$2,500.00 then pay only	dest	\$500 \$2,325 \$2,500 \$300	9-04 ard	
Annual Permit Fee	ds \$2,500.00 then pay only el operators mining less than 5,000 tons TITLE day of	dest	\$500 \$2,325 \$2,500 \$300	9-04 ard	
Annual Permit Fee	ds \$2,500.00 then pay only el operators mining less than 5,000 tons that day of	dest	\$500 \$2,325 \$2,500 \$300	9-04 ard	
Annual Permit Fee	day of Nov. 2004, it he above as their free acts and deeds.	dest	\$500 \$2,325 \$2,500 \$300	9-04 ard	
Annual Permit Fee	day of	dest	\$500 \$2,325 \$2,500 \$300	9-04 ard	
Annual Permit Fee	day of	Der year:	\$500\$2,325\$2,500\$300 DATE //- (OR CITY OF ST. LOUIS)	ard_	
Annual Permit Fee	day of Nov year Of Day of Nov year Of	Der year:	\$500 \$2,325 \$2,500 \$300	ard_	
Annual Permit Fee	day of	Der year:	\$500\$2,325\$2,500\$300 DATE //- (OR CITY OF ST. LOUIS) JBBER STAMP IN CLEA	R AREA BELOW.	
Annual Permit Fee	day of OO	COUNTY USE RI	\$500\$2,325\$2,500\$300 DATE //- (OR CITY OF ST. LOUIS) JBBER STAMP IN CLEA	R AREA BELOW.	
Annual Permit Fee	day of	COUNTY USE RI	S2,325 \$2,500 DATE //- (OR CITY OF ST. LOUIS) JBBER STAMP IN CLEA	R AREA BELOW. AMSINGER Blic - Notany Spal	
Annual Permit Fee	day of Nov year OH NOTARY PUBLIC SIGNATURE MY SERVICE STATE OF NOTARY PUBLIC SIGNATURE MY COMMISSIC EXPIRES H-12:	COUNTY USE RI	S2,325 \$2,500 DATE //- (OR CITY OF ST. LOUIS) JBBER STAMP IN CLEAR KIM / Notary Put STATE (R AREA BELOW. AMSINGER DIC - Notany Shall DE MISSOURIE	
Annual Permit Fee	day of OO , 2004, I the above as their free acts and deeds. STATE OF OD YEAR OU NOTARY PUBLIC SIGNATURE MY COMMISSIC EXPIRES NOTARY PUBLIC NAME (TYPED OR PRINTED)	COUNTY USE RI	S2,325 \$2,500 DATE //- (OR CITY OF ST. LOUIS) JBBER STAMP IN CLEAN KIM / Notary Put STATE (R AREA BELOW. AMSINGER DIC - Notary Shall DE MISSOURI	
Annual Permit Fee	day of OO	COUNTY USE RI	SERVICE STATE (Notary Put STAT	R AREA BELOW. AMSINGER DIC - Notary Shall DE MISSOURI HOT Chusty Expires Apr. 12, 20	
Annual Permit Fee	day of OO	COUNTY USE RI	SERVICE STATE (Notary Put STAT	R AREA BELOW. AMSINGER DIC - Notany Shall DE MISSOURI HOT Chulds	

To be completed for each separate area of o	disturbance associa	ted with mining operations	s. (
SITE NAME OR NUMBER		PERMIT NUMBER		
Lebanon Quarry, LaClede Cou	unty	92-210		
COMPANY NAME				
Willard Quarries				
COUNTY	1/4 SECTION		SECTION	
LaClede	. S1			
TOWNSHIP	RANGE		ACRES .	
T34N	Dagu		10	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)	R16W		10	
·······		ESTIMATED TONS/YEAR (F	OR CRAVEL SITES	
MINERAL COMMODITY		ESTIMATED TONS/TEAR (F	OR GRAVEL SITES)	
Limestone	•			
NAME OF LANDOWNER (ATTACH LIST IF MORE THA	N ONE)			
Rill Don Willand and Lawis T	16233			
Bill Don Willard and Louise I	. Willard			
Route 5, Box 274				
CITY		STATE	ZIP CODE	
Lebanon		Missouri	65536	
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT	
MINERAL DEED		LEASE		
WARRANTY DEED		VERBAL AGREEMENT		
OTHER (DESCRIBE):				
	no t a bina garana an			
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE T	LIAN CASES			
MANCENAL RIGHTS OWNER (ATTACH LIST IF MORE T	HAN ONE)			
Bill Don Willard and Louise	I. Willard			
ADDRESS				
Route #5, <u>B</u> ox 274				
CITY		STATE	ZIP CODE	
Lebanon		Missouri	65536	
SOURCE OF RIGHT TO MINE (CHECK ONE):		111330011	DATE OF AGREEMENT	
MINERAL DEED		LEASE		
WARRANTY DEED		VERBAL AGREEMENT		
OTHER (DESCRIBE):				
NOTE: Each site must be shown on a map		a public notice and an ann	proved mine plan	
MO 780-1036 (12-51)			. I	

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P.O. BOX 176 JEFFERSON CITY, MO 65102

MINE PLAN	JEFFERSON CITY, MO 65102
TYPE OF PLAN (CHECK ONE):	
SHORT TERM, FOR ONE PERMIT YEAR LONG TERM, FOR PERIOD THROUGH DATE: \mathcal{I}_{1N} , 24, 1993 - \mathcal{I}_{3}	~ 21, ZO68
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLI	CAN I OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
The soil Name is gas	- tee lead before Miniak
yrea was woods and	pastare land being
The soil Name is 993	sconabe and 15 0-2
deep	
4	
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
0-2	INCHES YES OR NO
	INCHES LI YES OR ICI NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL	
We will use dozers and topsoil and relocates in	scrapes to remove
We will use gozers and	
	& fockpile.
forsoil and relocate in	
JAN 28 MECIAMATICAL RECIAMATICAL	
74.	ALP TONESTOR
1412 141	COW
CAMALICA	·
PRE-	
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION	
we will use dozers and topsoil storage and protection to prevent erosion seeded to prevent erosion	cerapes to remove
We Will 43e Goters and	3 6 1 1 1
Thus	Il De graded and
fapsoil AGNA PELOCATE.	
condad to account etasio	N.
Jeedie 70 prevent	
·	
Kenney Maria	
L'AND AND AND AND AND AND AND AND AND AND	
DEC 2 1 1992	
- 1 - 00% -	
L. RANNEY PROPERTY	

<u> </u>		
a. SPOII		
DESCRIBE	METHODS	SAND LOCATION OF SPOIL PLACEMENT AND DISPOSAL . A Company
" · · · ·		
F	10 M	the pit will be placed in
Not Entropy		windrows of dirt to make a safety
L_{c}	//	windrows of dirt to make a safety
79	//	windrows of diff to make a safety R between Highway 17 and the grassy property, between the grassy - adjoining property. After s is done I will use my windraws of dist to make for my water impoundment
,		a hetween Hickory 17 and the 249114 Droperty
Do	1110	E Delween Highway II
,0,		I have the anguer adjoining property. After
a 15	0	between the graffy no make
n	NIN	5 13 done L'will use my windrais of all the
,,,	= longs	Comp water impoundment
	בשקטות	Por
C. ACID	MATER	IALS
DESCRIBE	METHOD	S AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
14		
ļ.		None
4.		N v
!		
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i		
		✓
•		
D. PIT I	NFORMA	ATION (GIVE ALL DIMENSIONS IN FEET)
DESCRIBE	LOCATIO	N AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
1.7		Hwy 17 side the property.
11	•	Hwy 17 side the property.
th	E	my 11 state property.
1.		
1		
		The second section of the second seco
1:		DEC 2 1 1992 ANSCOURTED ANSCOURTED AND 28 1993
1.		DEC 2 1 1992
<u> </u>		MISSOURI LA D JAN 28 1993
-		MISSOURI LAND LAN 28 1991
		RECLAMATION COMMISSION
1		Munda AND
		RECIAMATION CONVENIENCE
YES	NO	RC
	[1]	
	1/2	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
2	_/	
		Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any
1:		public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may
		start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet
1		or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is
1-		greater, unless a variance is granted by the Commission.)
1 3	,	greater, emess a variance is granted by the Commission.)
l n	ГV	Will any excavation start at or within fifty feet (50') of any property line?
برا	لک	
1		(NOTE: If the answer is "yes", a safety barrier may be needed.)

MO 780-1327 (12-91)

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PAGE 2 OF 5

RECLAMATION PLAN - 10 CSR 40-1				
A. REVEGETATION (Attach addition	onal sheets, if needed)		CEEDING OR BI ANTING TH	E
REVEGETATION MIX #1	PURPOSE OR LAND USE WITH TO THE	1 MC WY 2	SEEDING OR PLANTING TIME	5 15 con poo
DESCRIBE METHODS AND EQUIPMENT TO	RELISED FOR SEEDING OR PLANT!	NG		
DESCRIBE WETTOODS AND EQUITMENT TO	1 1/4	er 1- 1- 1- 1	A cinco	most of
PWC will hi	ave little 91	69 40 366	W, SINCE	, , 05 , 01
	4/	be under	Lan 1.1	hat little
04' 10 4	eres will		var ex	191 1110
DESCRIBE METHODS AND EQUIPMENT TO INC. We will him of the seed by have seed by have				
Lime and fertilizer will be applied ac will be applied to all slopes exceeding	g 5:1.	<u> </u>		
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SI	PECIES ST	EMS/ACRE
		ı		
		,		
Fesche	15			
•				
Clover	15			
			*	
K .				
REVEGETATION MIX #2	PURPOSE OR LAND USE	3	SEEDING OR PLANTING TII	ИЕ '
DESCRIBE METHODS AND EQUIPMENT TO	BE LISED FOR SEEDING OR PLANT	ING		W
peddinge meiriobo xiib eddii meiri 10	DE GOLD I ON OLEDING ON I EARLY			
·				
PECEIVI				
Carlot Ca				
Lime and fertilizer will be applied a will be applied to all slopes exceeding		s made, based on an anal	ysis of soil texture a	nd nutrients. Mulch
SEEDED SPECIES (AND	POUNDS/ACRE	TREE OR SHRUB S	PECIES	STEMS/ACRE
RECIANATION CONS	not OTY			
		727		
	MAL C'3	8 1993		
	JF"	CINALIS		
	N.º	JUNI LAND IN COMMISSION		
:	RECI	1 100		
	Wr.			

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

q wyfer reservoir. The slopes of	will be
a writer reservoir. The slopes of	the water
reservoir will be graded and see 5 lopes will be traversable by farm	Sed. All
el il la la la sechle he faces	4000/11000
5 lopes will be Fraversione by	Machinery
	·
! !	
· · · · · · · · · · · · · · · · · · ·	
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES	
Slope grading will occur after is complete Grading including all tops shall be complete within 12 months after of the permit or initial permit renewal.	2 MINING
15 completed Grading including all the	the expiration
5hall be complete within 12 mantas and	
the part of the slopes a will have 3-4 inches of topson Top soil replacement shall be complete with after the expiration of the permit of in	bove writer
will have 2-4 inches of topso,	placed
Top soil replacement shall be complete with.	N 12 Months
affer the explication	- Jeruit Vercell
seeding and planting shall be complete within after the expiration of the permit or ignited power with survival of vegetation by the second growing	seeded
Seeding and planting shall be complete within	24-months
with survival of vegetation by the second growing	5 sesson,
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) 1-2 + 10 + 11 + 40 + 40 + 40 + 40 + 40 + 40	1" 12" 100ho
D. USE OF LAND WHEN RECLAIMED	
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest of other habitat with livestock excluded)	
Agricultural (pasture, croptand and horticultural) 5/0pes MATION CON WISSION	/
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	9
MO 790 1227 42 011	2107107

B. GRADING

Lebaum

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.



SIGNATURE OF PPLICANT	tillad	Manages		1-25°	13
notary public émbosser seal	STATE		COUNTY (OR C	TY OF ST. LOUIS)	
	SUBSCRIBED AND SWORN BEFORE ME, T	HIS	Sac	lede	
	NOTARY PUBLIC SIGNATURE	lan 1993	USE RUBBE	R STAMP IN CLEAR	AREA BELO
	NOTARY PUBLIC SIGNATURE	MY COMMISSION EXPIRES	! :		
4	NOTARY PUBLIC NAME (TYPED OR PRINTED)	J 13-22-95			
	Kim Amsima	C			
APPROVED BY (DIRECTOR'S REP		DATE APPROVED	. (PERMIT NUMBER	
Haru	e Thui	4.27.9	4	210.	
MO 760-1327 (12-51)	1			l eda a a	PAGE 5

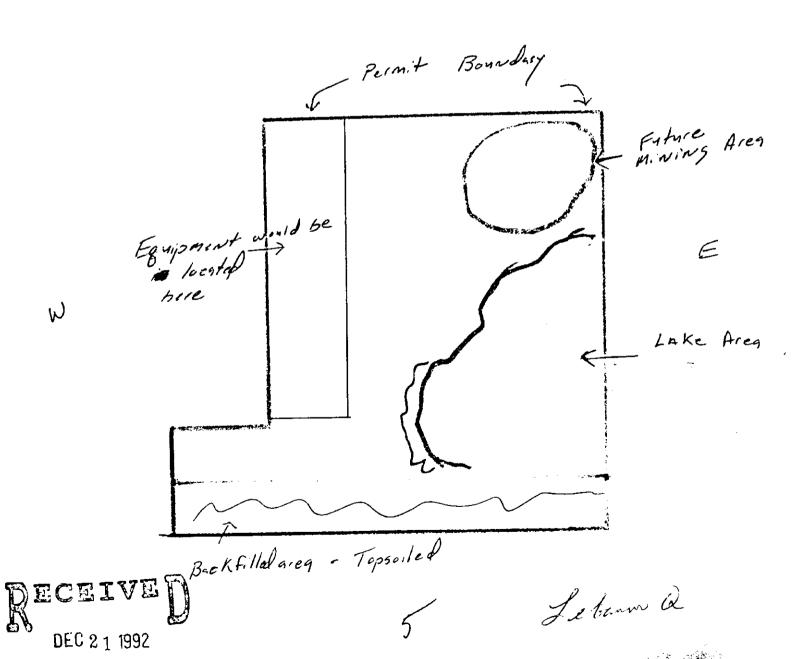
Leb. on Quary

AH.B

Not to Scale:

Aaclede (o. SI T34N)

R 16W







To be completed for each separate a			MINOCONI LAIND
Willard Quarries - Sleepe	r Ouarry	PERMIT NUMBER 210	RECLAMATION COMMISSION
willard quarries - Sieepe	i Quality	210	
COMPANY NAME			
Willard Quarries, Inc.			
COUNTY	1/4 SECTION	4 & SW4 of S28,	SECTION 28, 29, & 21
Laclede	NE¼ of S2	9, & SE ₄ of S21	
TOWNSHIP	RANGE		ACRES 20 + 40 = 60 H
35N	15W		10 (currently permitted) + '
RIVER OR STREAM NAME (FOR IN-STREAM A			10 (expansion) = 20 (total)
N/A	J.120,		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEA	AR (FOR GRAVEL SITES)
		N/A	
NAME OF LANDOWNED (ATTAOLICE OF LOOK			v
NAME OF LANDOWNER (ATTACH LIST IF MOR Willard Quarries, Inc.	RE THAN ONE)		
ADDRESS			
P.O. Box 1183			
DITY		STATE	ZIP CODE
Lebanon		MO	65536
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT
MINERAL DEED		LEASE	1992
WARRANTY DEED		VERBAL AGREEMEN	NT
OTHER (DESCRIBE):		- VENDAL NONE INC.	•
OTTEN (DESCRIBE).			
MINERAL RIGHTS OWNER (ATTACH LIST IF M	ORE THAN ONE)		* * * * * * * * * * * * * * * * * * * *
Same as above.			
DDRESS			
		STATE	ZIP CODE
CITY		J 2	2 6652
CITY			
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT
OURCE OF RIGHT TO MINE (CHECK ONE):		LEASE	
OURCE OF RIGHT TO MINE (CHECK ONE):		☐ LEASE ☐ VERBAL AGREEMEN	

MO 780-1036 (12-91)





TYPE OF PLAN (CHECK ONE):	
SHORT TERM, FOR ONE PERMIT YEAR Jan. 1, 1998 through MISSO	DURI LAND
LONG TERM, FOR PERIOD THROUGH DATE: Jan. 1, 2098 RECLAMATIO DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OF	N COMMISSION Sleeper &
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OF AND TOPOGRAPHY.	PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
This plan covers an area of approximately 287 acres (see Lo	cator and Detail Maps).
The area was woods and pasture land before mining. The soi	1 name is Gasconade and is
U" - 2" thick above bedrock. The area is bordered to the s	outheast by the outer road
to I-44 and to the northeast by Route F.	-
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
A. TOPSOIL	Y
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
	☐ YES OR ☒ NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL	
Dozers and scrapers will be used to remove topsoil and relo	cate it in a stockpile.
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION	
	voloceko ik in o okoslusila
The dozers and scrapers will be used to remove topsoil and The stockpile will be graded and seeded with grass to preve	

Sleeper &

PAGE 1 OF 5

B. SPO	IL	
DESCRIB	E METHOD	S AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL
The	extra (overburden will be used in creating future parking lots and building sites.
		•
		$R_{DEC\ 0\ 4\ 1997}^{ECEIVE}D$
		RECLAMATION COMMISSION
C. ACII	MATER	
		S AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
Non		
! 		· · · · · · · · · · · · · · · · · · ·
		ı
PIT I	NFORMA	TION (GIVE ALL DIMENSIONS IN FEET)
		N AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
see	attaci	med map.
		,
YES	NO	
	ijΣŢ	Million and a second of the first of the fir
Ш		Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	K	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
		Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

Sleeper 9

RECLAMATION PLAN - 10 CSR 40			
A. REVEGETATION (Attach addit	PURPOSE OR LAND USE		
#1	Industrial De		SEEDING OR PLANTING TIME
PESCRIBE METHODS AND EQUIPMENT TO			Whenever building is comp
The acreage will be a bui	ilding site, so only	ning a small part of the	e area will be landscaped.
The landscaped area will	have grass and shrul	os. The equipment u	used will be a disk, with
seed broadcast by hand.	Juliu Jiu Ji	oo. The equipment of	ased will be a disk, with
ime and fertilizer will be applied a	ccording to recommendation	ns made, based on an analy	RECEIVEL DEC 0 4 1997 L MISSOURI LAND VISIS OF SCIPTEM MANUSCION
rill be applied to all slopes exceeding	ng 5:1.		STON WISSION
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SI	PECIES STEMS/ACRE
Fescue	15	Burning bush shru	ubs 50
Clover	15		
VEGETATION MIX #2 None	PURPOSE OR LAND USE		SEEDING OR PLANTING TIME
SCRIBE METHODS AND EQUIPMENT TO I	BE USED FOR SEEDING OR PLANT	TING	
me and fertilizer will be applied ac Il be applied to all slopes exceedin		s made, based on an analys	sis of soil texture and nutrients. Mu
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SP	PECIES STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

Sleeper

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

The area will be a building site and parking area. All sloped areas will be graded to slopes traversable by farm machinery, including tractors with mowers or bushhogs.

RECEIVED DEC 0 4 1997

MISSOURI LAND RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will be done after quarry is no longer being excavated and equipment is gone. Final grading, including topsoil replacement, will be completed within one year after the expiration of permit or permit renewal on all mined-out portions.

REPLACEMENT OF TOPSOIL

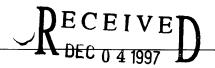
Topsoil will be replaced after building sites are started and areas surrounding the building sites are known. All topsoil replacement shall be complete one year after the expiration of permit or permit renewal on all mined-out portions.

REVEGETATION

Seeding and planting will be done after buildings and parking lots are completed. Seeding and planting shall be complete within 24 months after the expiration of the permit or or permit renewal, with survival of vegetation by the second growing season.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)	
The combined depth of topsoil (A horizon) + subsoil (B horizon)	will be 12 inches.
D. USE OF LAND WHEN RECLAIMED	ESTIMATED ACRES:
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	287
Water impoundments (for wildlife, agricultural, or development)	

Sleeper



By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

	· B. W - 6	, K	
Dand Willand		- 199	Nov 26-1997
STATE SUBSCRIBED AND SWORN BEFORE ME, THIS		COUNTY (OR CIT	ry OF ST. LOUIS)
26 DAY OF $9/00$). 1997	USE RUBBEI	R STAMP IN CLEAR AREA BELOV
NOTARY PUBLIC SIGNATURE NOTARY PUBLIC NAME (TYPED OR PRINTED)	MY COMMISSION EXPIRES		
Kim HMSTRAIT			
APPROVED BY (DIRECTOR'S REPRESENTATIVE)	ATE APPROVED		PERMIT NUMBER
Christe Sugar	6/12/	98	0210
MO 780-1327 (12-91)		Cleen	PAGE 5 OF

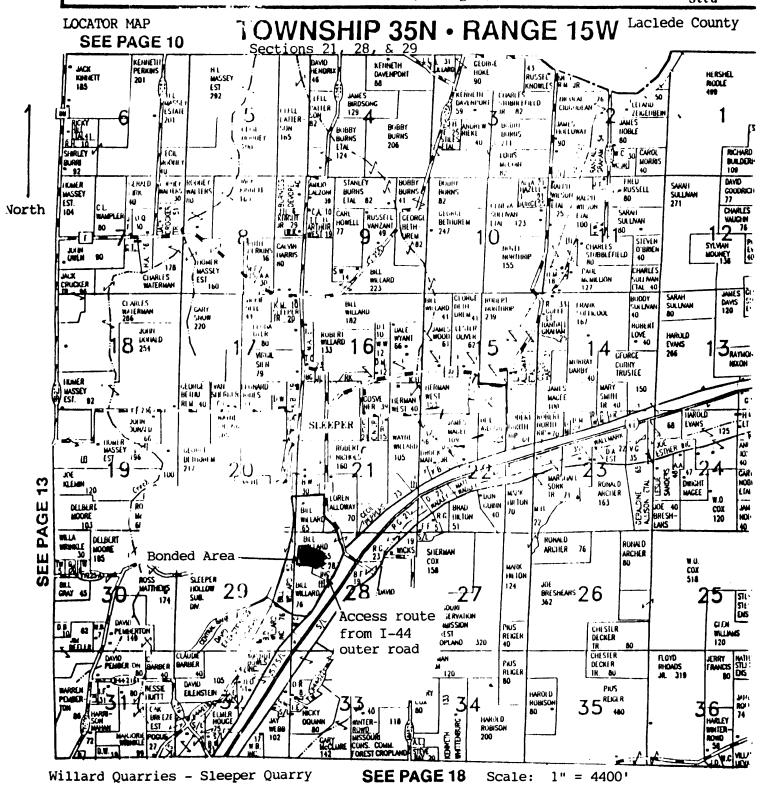






Custom Spreadin Blending Chemicals Seed

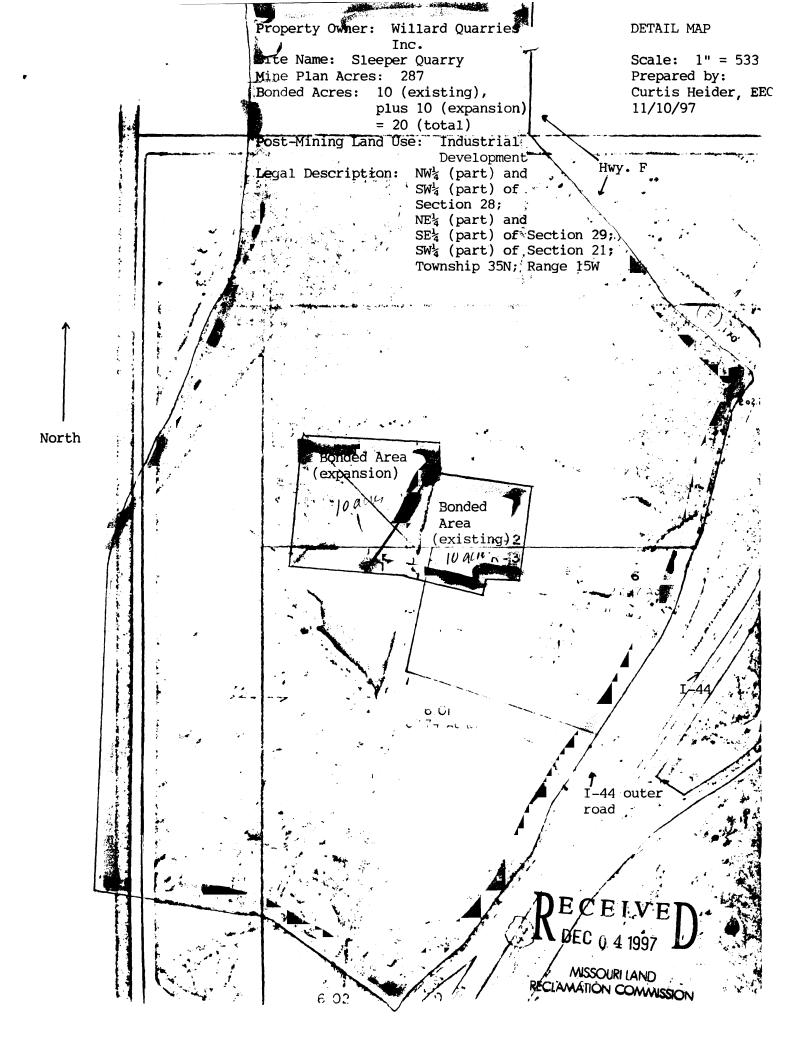
5.52-9354 320 W. Pierce St., Lebanon, Mo. 65536 473-6320 Main Street, Niangua, Missouri 65713

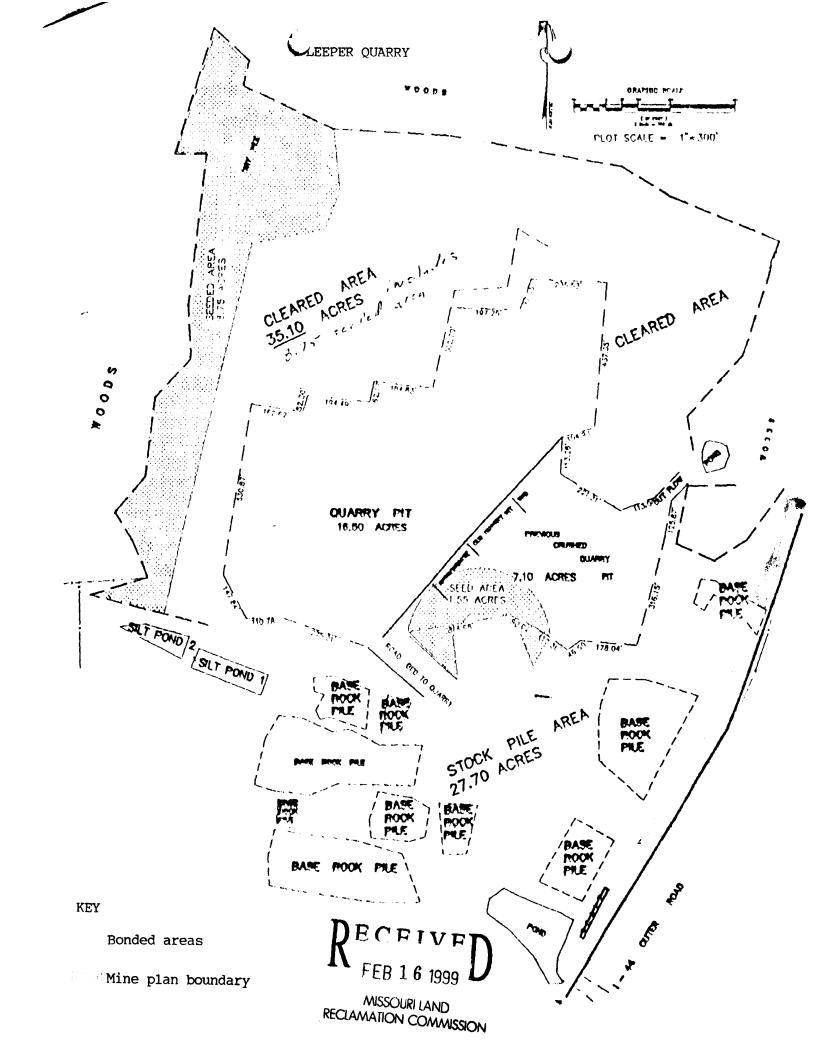


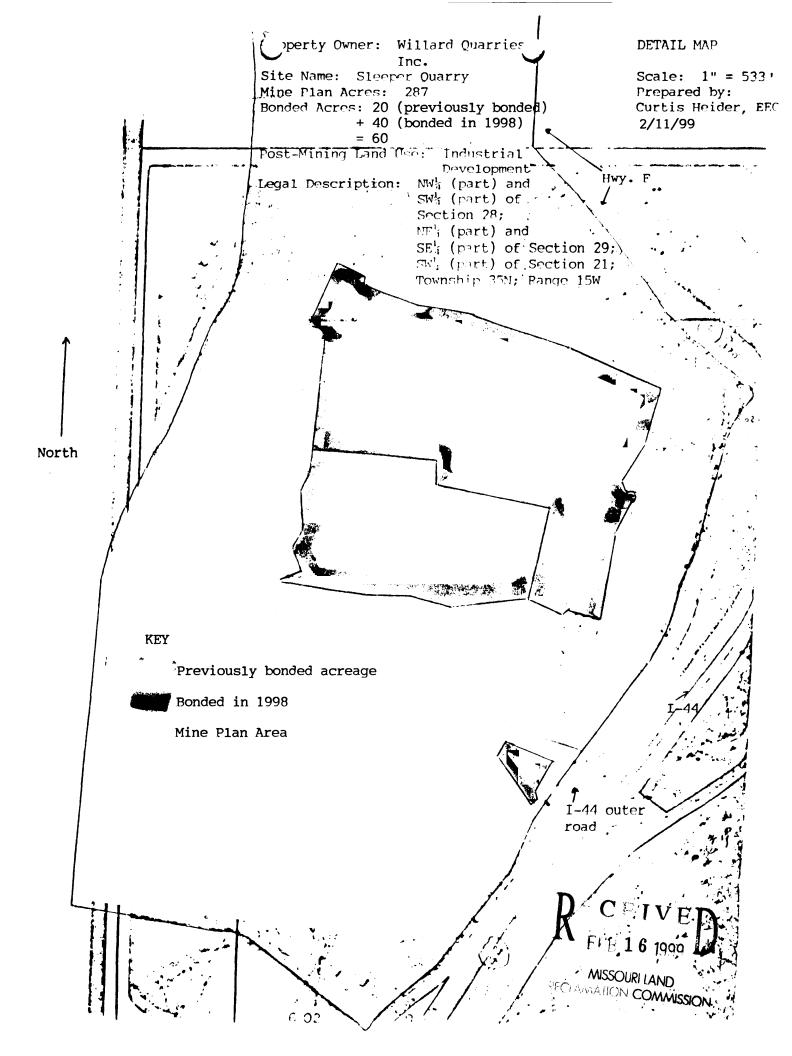
14 Prepared by: Curtis Heider, EEC 11/10/97

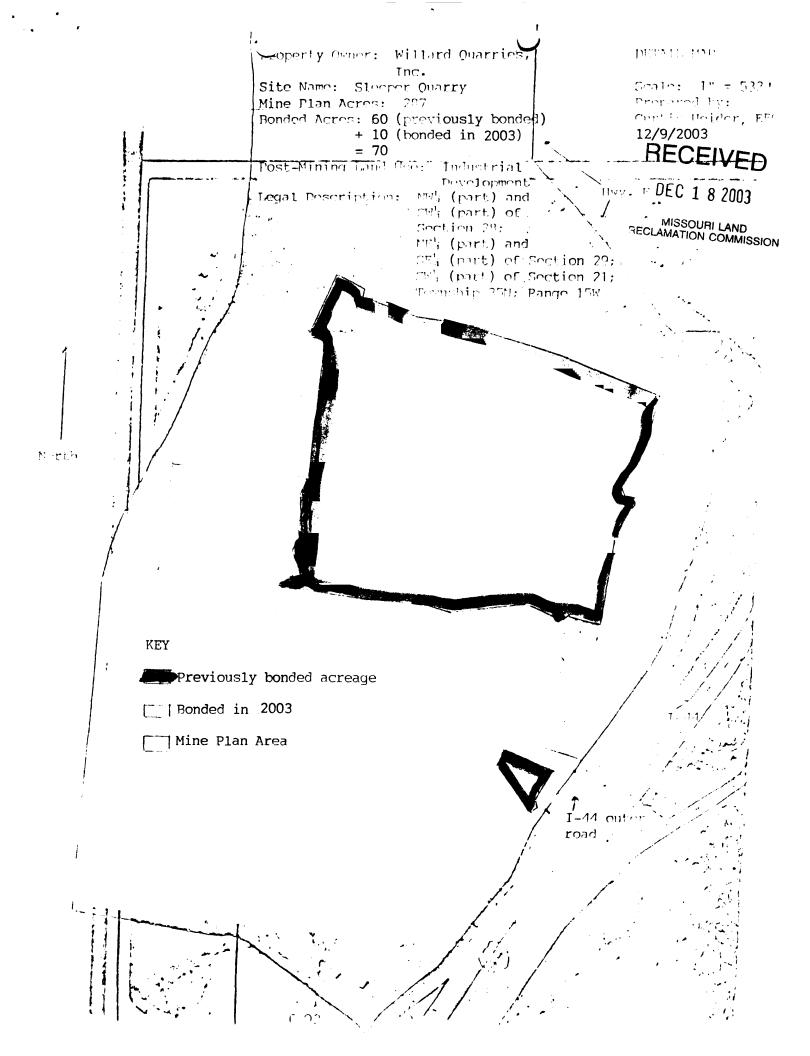
© 1992 Miller Management Services, In-

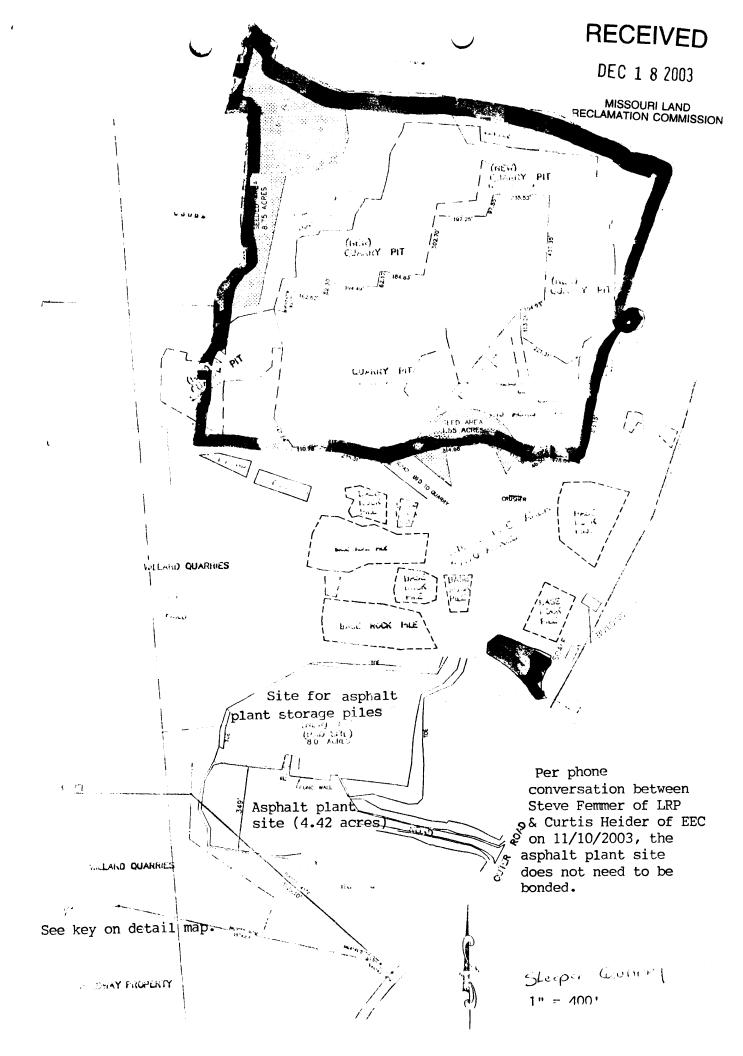
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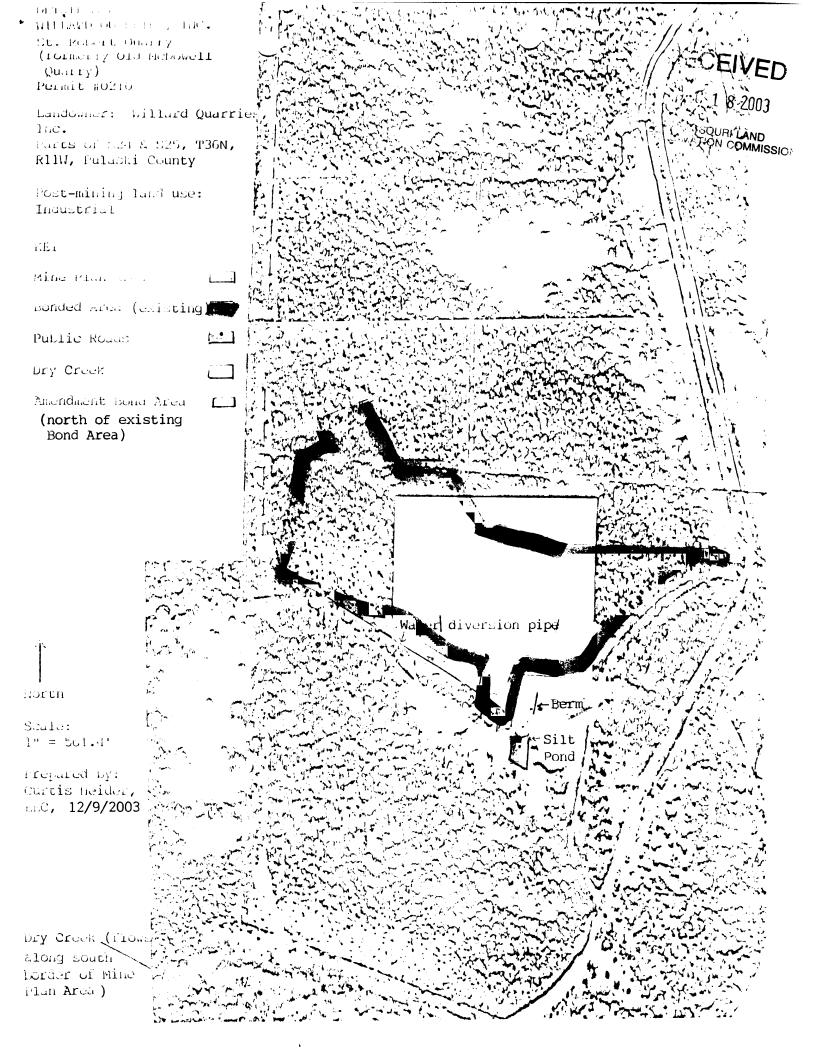






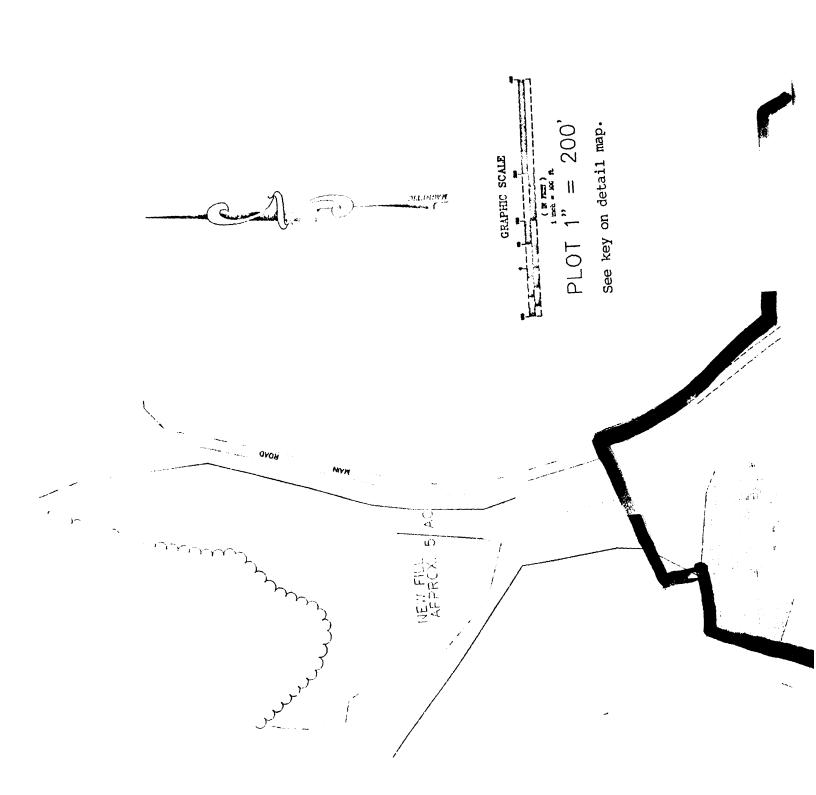


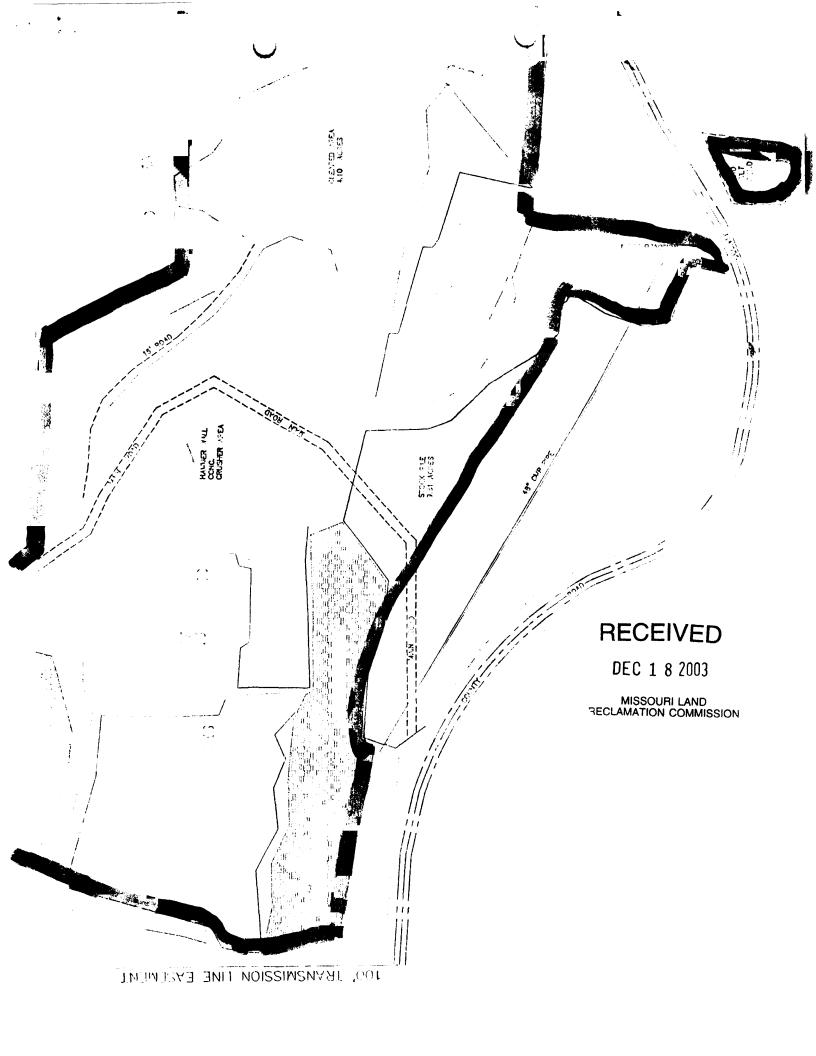




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To be completed for each separate	area of disturbance assoc	siated with mining operation	ONS. RECIAMATION CAND
SITE NAME OR NUMBER		PERMIT NUMBER	ons. RECLAMATION COMMISSION
Willard Quarries - Sleep	er East Quarry	210	
COMPANY NAME			
Willard Quarries, Inc.			
COUNTY	1/4 SECTION SEL	& SW1/4 of S15,	SECTION
Laclede	NE¼	& NW ₄ of S22	15 & 22
TOWNSHIP	RANGE		ACRES
35N	15W		10
RIVER OR STREAM NAME (FOR IN-STREAM	A ACRES)		
N/A			
MINERAL COMMODITY		ESTIMATED TONS/YEAR	(FOR GRAVEL SITES)
Limestone		N/A	
DDRESS P.O. BOX 1183 ITY Lebanon OURCE OF RIGHT TO MINE (CHECK ONE) MINERAL DEED X WARRANTY DEED OTHER (DESCRIBE):).	STATE MO LEASE VERBAL AGREEMENT	ZIP CODE 65536 DATE OF AGREEMENT March, 1997
Same as above.	MORE THAN ONE)		
ITY		STATE	ZIP CODE
OURCE OF RIGHT TO MINE (CHECK ONE)	:		DATE OF AGREEMENT
MINERAL DEED		LEASE	
_		VERBAL AGREEMENT	
WARRANTY DEED		L VERBAL AGREEMENT	



MISSOURI DEPARTMENT OF NATURAL RESOURCES

	LAND RECLAMATION CO	Mr⁴ISSION Nation		\checkmark	P.O. BOX 176
4.144				•	JEFFERSON CITY, MO 65102
SHORT TE	N (CHECK ONE): ERM, FOR ONE PERMIT YEAR RM, FOR PERIOD THROUGH DATE	Jan. 1, 1998	3 through Jan	. 1, 2098	Sleeper East
DESCRIPTION AND TOPOGR	NOF SITE PRIOR TO LAND RECLAI MAPHY.	MATION COMMISSION	PERMITTING (BY API	PLICANT OR PRIOR C	DPERATOR), INCLUDING SOIL, VEGETATION
	an covers an area of a was woods and pastu				and Detail Maps). is Gasconade and is

0" - 2" thick above bedrock. The area is bordered to the southeast by the outer road

to I-44, to the southwest by county road X44-238, and to the north by Route JJ.

RECEIVED DEC 0 4 1997

	MISSOURI LAND REGLAMATION COMMISSION
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
0 - 2 INCHES	YES OR NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL	
Dozers and scrapers will be used to remove topsoil and reloc	ate it in a stockpile.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The dozers and scrapers will be used to remove topsoil and relocate it in a stockpile. The stockpile will be graded and seeded with grass to prevent erosion.

MO 780-1327 (12-91)

PAGE 1 OF 5

B. SP	OII	
		DS AND LOCATION OF SPOIL POSEMENT AND DISPOSAL
		overburden will be used in creating future parking lots and building sites.
		RECEIVED MISSOURI LAND
		RECLAMATION COMMISSION
C. ACI	D MATE	RIALS
	E METHOD	OS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
OIT (NEODM	ATION (CIVE ALL DIMENCIONS IN FEET)
		ATION (GIVE ALL DIMENSIONS IN FEET) IN AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
See	attacl	ned map.
YES	NO	
		Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	K	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
		Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)
780-1327	(12-91)	Cleaper ROLF PAGE 2 OF

RECLAMATION PLAN - 10 CSR 40-1	10.020/2)(D)2.			
A. REVEGETATION (Attach addition	onal ats, if needed)			
REVEGETATION MIX #1	PURPOSE OR LAND USE		B SEEDING OR PL	ANTING TIME
#1	Industrial De	Industrial Development Whenever		
DESCRIBE METHODS AND EQUIPMENT TO B				The state of the s
The acreage will be a buil	lding site, so only	a small part of t	the area wil	1 be landscaped
The landscaped area will h	have grass and shrul	ns The equipment	nead will	bo a digle with
seed broadcast by hand.	mee gradi, and discu	oo me equipment		
			R	ECEIVED DEC 0 4 1997
Lime and fertilizer will be applied acc will be applied to all slopes exceeding	cording to recommendation 5:1.	ns made, based on an ar	RECLA nalysis of soil te	MISSOURI LAND MATION COMMISSION xture and nutrients. Mulch
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUE	SPECIES	STEMS/ACRE
Fescue	15	Burning bush shr	rubs	50
Clover	15			
				}
VEGETATION MIX #2 None	PURPOSE OR LAND USE		B. SEEDING OH PLA	NTING TIME
DESCRIBE METHODS AND EQUIPMENT TO BE	USED FOR SEEDING OR PLANT	ING	<u> </u>	
				!
ime and fertilizer will be applied according	_	s made, based on an ana	alysis of soil tex	ture and nutrients. Mulch
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB	SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING DESCRIBE PROPOSED RECLAIMED TOPOGRAP INCLUDING SLOPES The area will be a building site and parking area. All sloped areas will be graded to slopes traversable by farm machinery, including tractors with mowers or bushhogs. MISSOURI LAND RECLAMATION COMMISSION C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES GRADING Grading will be done after quarry is no longer being excavated and equipment is gone. Final grading, including topsoil replacement, will be completed within one year after the expiration of permit or permit renewal on all mined-out portions. REPLACEMENT OF TOPSOIL Topsoil will be replaced after building sites are started and areas surrounding the building sites are known. All topsoil replacement shall be complete one year after the expiration of permit or permit renewal on all mined-out portions. REVEGETATION Seeding and planting will be done after buildings and parking lots are completed. Seeding and planting shall be complete within 24 months after the expiration of the permit or permit renewal, with survival of vegetation by the second growing season. AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) The combined depth of topsoil (A horizon) + subsoil (B horizon) will be 12 inches. D. USE OF LAND WHEN RECLAIMED **ESTIMATED ACRES:** Estimate acreage of each land use below, after reclamation Wildlife (forest or other habitat with livestock excluded) Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

MO 780-1327 (12-91)

Water impoundments (for wildlife, agricultural, or development)

Sleeper East

PAGE 4 OF

336

336

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.



SIGNATURE OF APPLICANT		TITLE	DATE	. 4
David W	Illand	Vice Pre	reduct 1	lov-26-199,
NOTARY PUBLIC EMBOSSER SEAL	STATE		COUNTY (OR CITY OF S	T. LOUIS)
	-1 -1		1001	Л
	SUBSCRIBED AND SWORN BEFORE ME, 1	THIS	1 Mille	LC.
	O DAY OF	OV 1947	USE RUBBER STA	MP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE	MY COMMISSION		
	Lim anving	2/24/99		
	NOTARY PUBLIC NAME (TYPED OR PRINTED)	(, , , , , , , , , , , , , , , , , , ,		
	Mim Hmsin	941	L	
APPROVED BY (DIRECTOR'S RE	PRESENTATIVE	DATE APPROVED	PERM	III NUMBER
Winter	Shoot	6/12/	78	0210
MO 780-1327 (12-91)		Cl	uper East	PAGE 5 OF
		She	eper = as	•



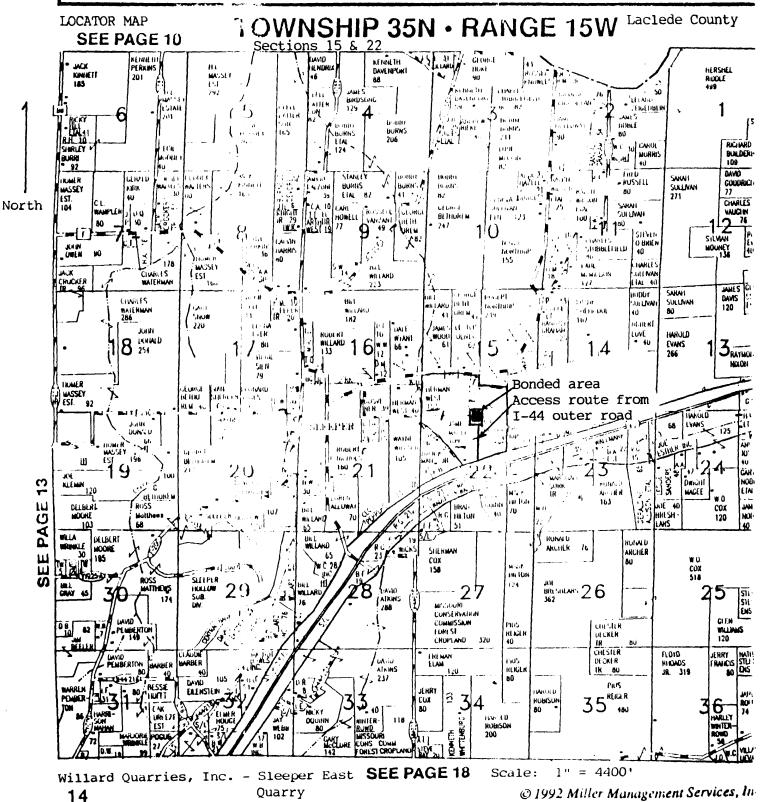
Warring W

II Consider (1)

Bulk

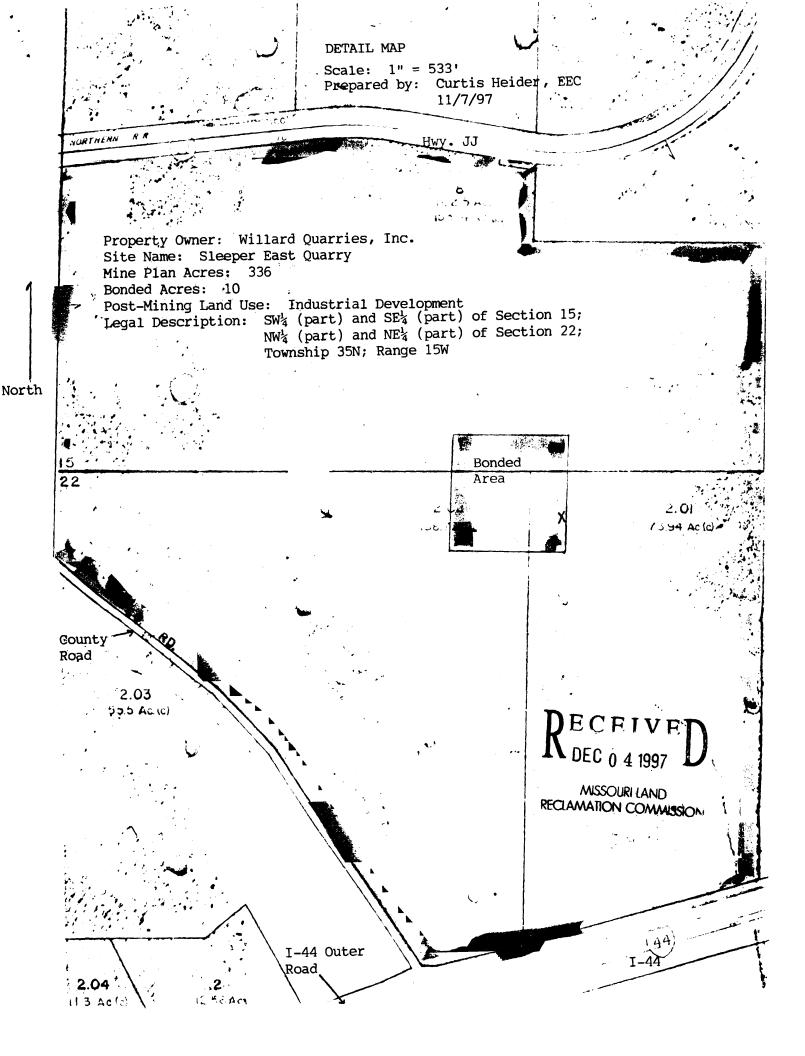
Custom Spreadin Blending Chemicals Seed

—-9354 320 W. Pierce St., Lebanoss, Mo. 65536 473-6320 Main Street, Niangua, Missouri 65713



Prepared by: Curtis Heider, EEC 11/7/97

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MO 780-1036 (12-91)

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DEC 2 7 2000

rea of disturbance associa	ted with mining oper	MISSOURL LAND RECLAMATION COMMISSION
	PERMIT NUMBER	
<u> </u>		210
		
1/4 SECTION		SECTION
SW of S24 &	NW of S25	24 & 25
RANGE		ACRES
11W		290
ACRES)		
	ESTIMATED TONS/Y	EAR (FOR GRAVEL SITES)
	NA	
ORE THAN ONE)		
•		
	_	
	STATE	, ZIP CODE
	МО	65536
		DATE OF AGREEMENT
	LEASE	
	VERBAL AGREEM	ENT
MORE THAN ONE)	-	
	STATE	ZIP CODE
		211 3302
	1	DATE OF AGREEMENT
	LEASE	
	VERBAL AGREEME	ENT
	rly Old McDowell y) 1/4 SECTION SW of S24 &	1/4 SECTION SW of S25 RANGE 11W ACRES) ESTIMATED TONS/YI NA STATE MO LEASE VERBAL AGREEM STATE STATE

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DEC 2 7 2000

P.O. BOX 176 JEFFERSON CITY, MO 65102

MISSOURI LAND RECLAMATION COMMISSION TYPE OF PLAN (CHECK ONE): SHORT TERM, FOR ONE PERMIT YEAR LONG TERM FOR PERIOD THROUGH DATE: March 2, 2095 DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY. This plan covers an area of approximately 290 acres. The mine area lies in topography that is steeply sloped and is currently wooded with native trees. The soil type is classified as "Clarksville-Gepp", characterized by "very cherty silt loams, 14 to 35 percent slopes." A county road passes through the site, while the Dry Creek flows along the south and southeast border of the property and the Big Piney River flows along the northeast border of the property. OPERATION PLAN - 10 CSR 40-10.020(2)(D)1. AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE? 1 _ INCHES YES OR X NO DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL The limited amount of topsoil will be removed after the existing trees are removed. The topsoil and up to 12 inches (if available) of subsoil will be excavated and stockpiled. This operation will only occur at the locations where surface mining will immediately commence. Equipment used will be a front-end loader. DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION Topsoil and subsoil will be stockpiled at the outer limits of the mine site. Storage piles will have a horizontal to vertical slope ratio of 3:1 and will be situated, graded, and seeded to minimize erosion in accordance with 10 CSR 40-10.050.

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DEC 2 7 2000

	POIL	MISSOURI LAND DS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL RECLAMATION COMMISSION
	All over pit and as the s	burden removed from the pit will be placed in the mined-out portions of the graded to traversible slopes. Grading and seeding will be done continuously tockpiles are being built. The grading and seeding will be done to meet the note requirements of 10 CSR 40-10.050.
0.4	010 11175	
	CID MATER	S AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
	None	
		TION (GIVE ALL DIMENSIONS IN FEET)
DESC	RIBE LOCATIO	N AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
	proposed	ting pit is in the center of the western half of the bonded area, while a new pit area is the southwest part of the eastern half of the bonded area. for location of bonded area.
YES	NO	
	囟	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	\text{\text{\text{Z}}}	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
		Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

MO 780-1327 (12-91)

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DEC 2 7 2000

EGETATION MIX #1	al sheets, if needed) PURPOSE OR LAND USE	RECLAMATION COM	D SSEEDING OR PLA	NTING TIME
#1	In	dustrial	Spring (or	first optimal see
SCRIBE METHODS AND EQUIPMENT TO BE	USED FOR SEEDING OR PLANTI	anting window)		ndow)
After the topsoil has been as topography allows, or h			th broadcast	ting equipment,
me and fertilizer will be applied according 5		made, based on an an	alysis of soil te	kture and nutrients. Mulc
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB	SPECIES	STEMS/ACRE
Fescue (on sloped areas) Clover	30 10			
EGETATION MIX #2	PURPOSE OR LAND USE		B. SEEDING OR PLAN	NTING TIME
ne and fertilizer will be applied accord Il be applied to all slopes exceeding 5: SEEDED SPECIES		made, based on an ana		
SEEDED SPECIES	POUNDS/ACHE	THEE OR SHRUB	SPECIES	STEMS/ACRE

MO 780-1327 (12-91)

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DEC 2 7 2000

PAGE 4 OF 5

		MISSOURI LAND
	RECL	AMATION COMMISSION
B. GRADING DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES The area will become a building site and to slopes traversable by farm machinery,	parking area. All sloped	AMATION COMMISSION areas will be graded
C. DESCRIBE THE GENERAL SEQUENCE AND LIMING OF	THE FOLLOWING ACTIVITIES	
GRADING Grading will be completed as the pit adverse be placed in the mined-out pit to ensure within one year of permit expiration in a	drainage. Final grading w	ill be completed
Topsoil and subsoil will be replaced to will be disced to reduce compaction. To permit expiration in accordance with 10	opsoil will be replaced wit	welve inches and hin one year of
REVEGETATION Revegetation will be completed during the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in accordance with 1000 completes and the topsoil replacement in the top completes are the top completes and the top completes are the top completes are the top completes are the top completes and the top completes are the top completes and the top completes are the top completes are the top completes and the top completes are the top completes are the top completes are the top completes are the top completes and the top completes are the top completes are the top completes and the top completes are the top		dow following
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) The combined depth of topsoil (A horizon) as	nd subsoil (B horizon) will	be 12 inches.
D. USE OF LAND WHEN RECLAIMED		ESTIMATED ACRES:
Estimate acreage of each land use below, after reclamation		
Wildlife (forest or other habitat with livestock excluded)		
Agricultural (pasture, cropland, and horticultural)		
Development (residential, industrial, and recreational)		290
Water impoundments (for wildlife, agricultural, or developmen	1)	

MO 780-1327 (12-91)

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DEC 2 7 2000

MISSOURI LAND RECLAMATION COMMISSION

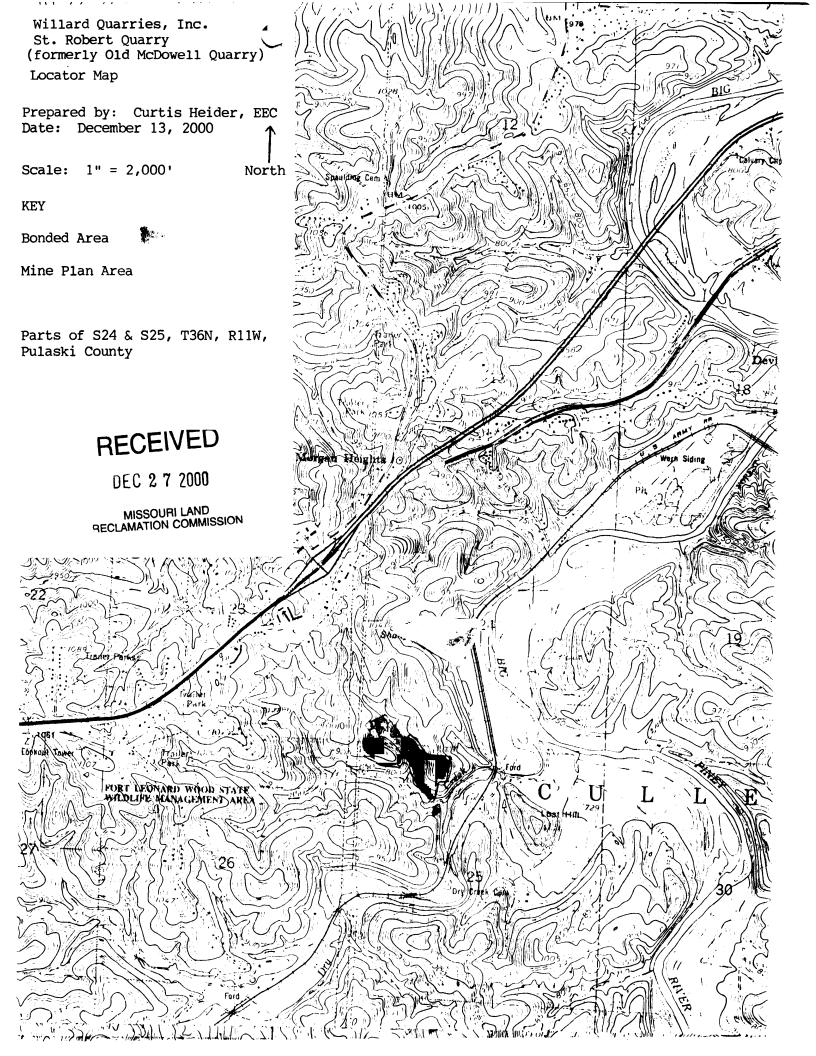
PAGE 5 OF 5

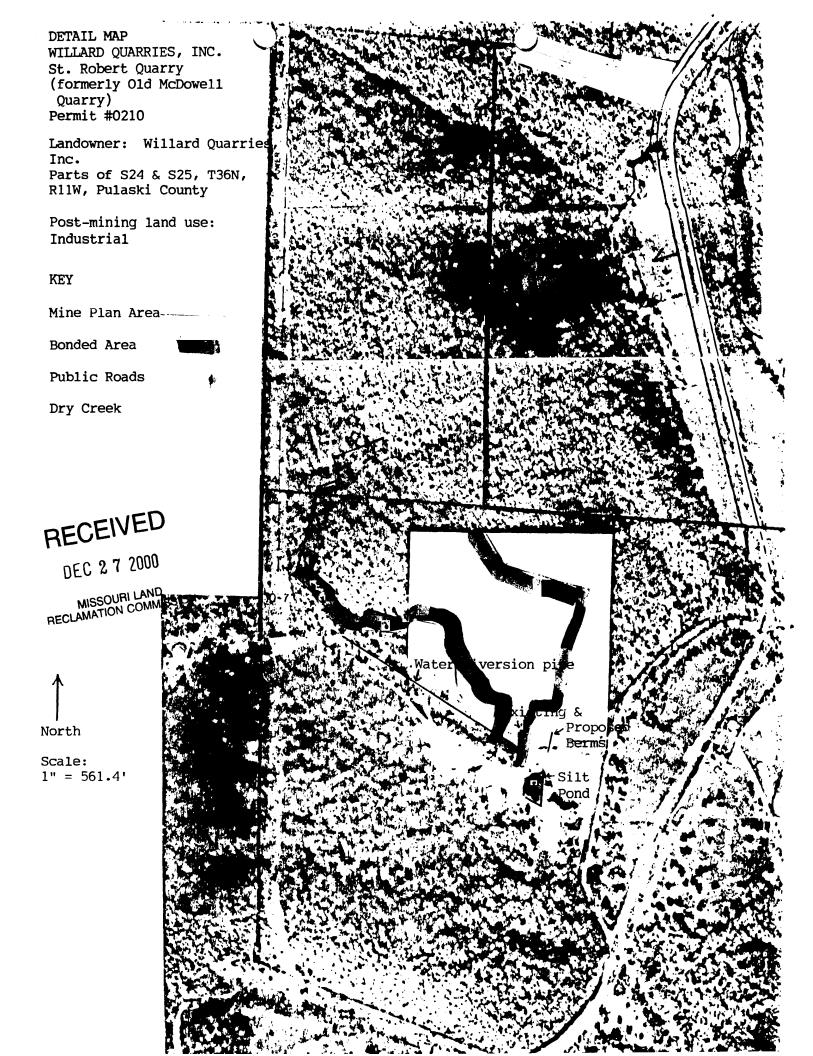
By my signature, I attest to the following:

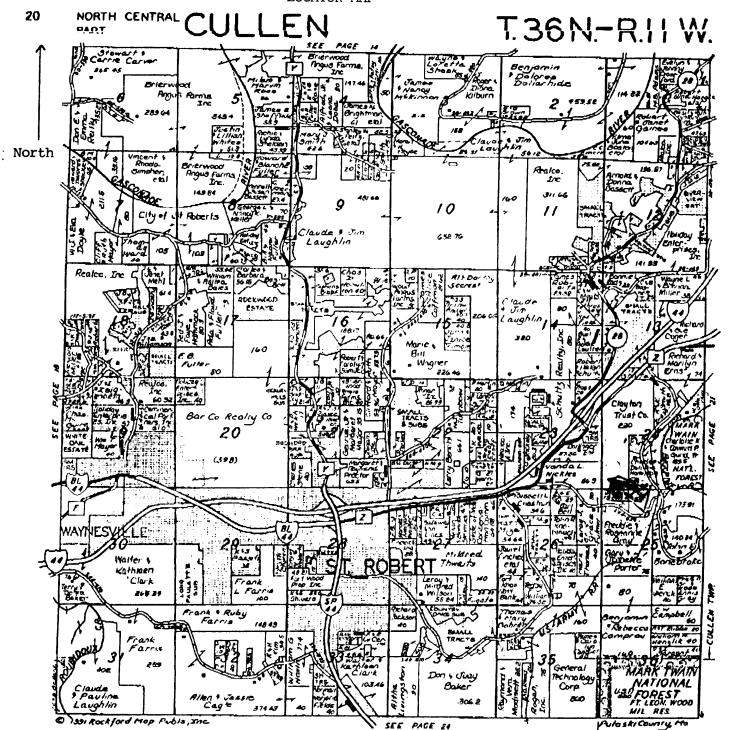
MO 780-1327 (12-91)

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

	/1//4		
SIGNATURE OF APPLICANT	Willed	Prasidar	T 12/26/00
NOTARY PUBLIC EMBOSSER SEAL	STATE .		COUNTY (OR CITY OF ST. LOUIS)
•	Jul Sullander Tr		1 1
	SUBSCRIBED AND SWORN BEFORE ME, TH		Lacledu
	20 DAY OF	5006 XE De	USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE	MY COMMISSION EXPIRES 4 12 03	KIM AMSINGER Notary Public - Notary Seal STATE OF MISSOURI
	NOTARYPUBLIC NAME (TYPED OR PRINTED)	Mar	Webster County My Commission Expires Apr. 12, 2003
APPROVED BY (DIRECTOR'S RE	PRESENTATIVE)	DATE APPROVED	PERMIT NUMBER
Afre Fem	me	12-28-00	0210





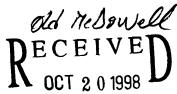


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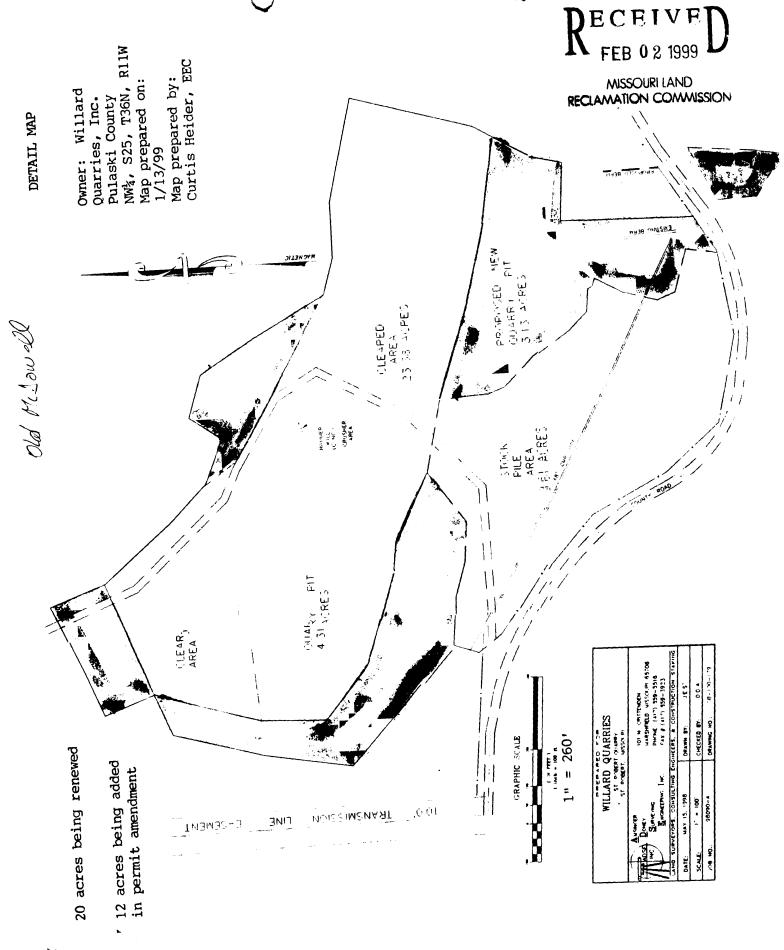
Date of preparation: 10/8/98

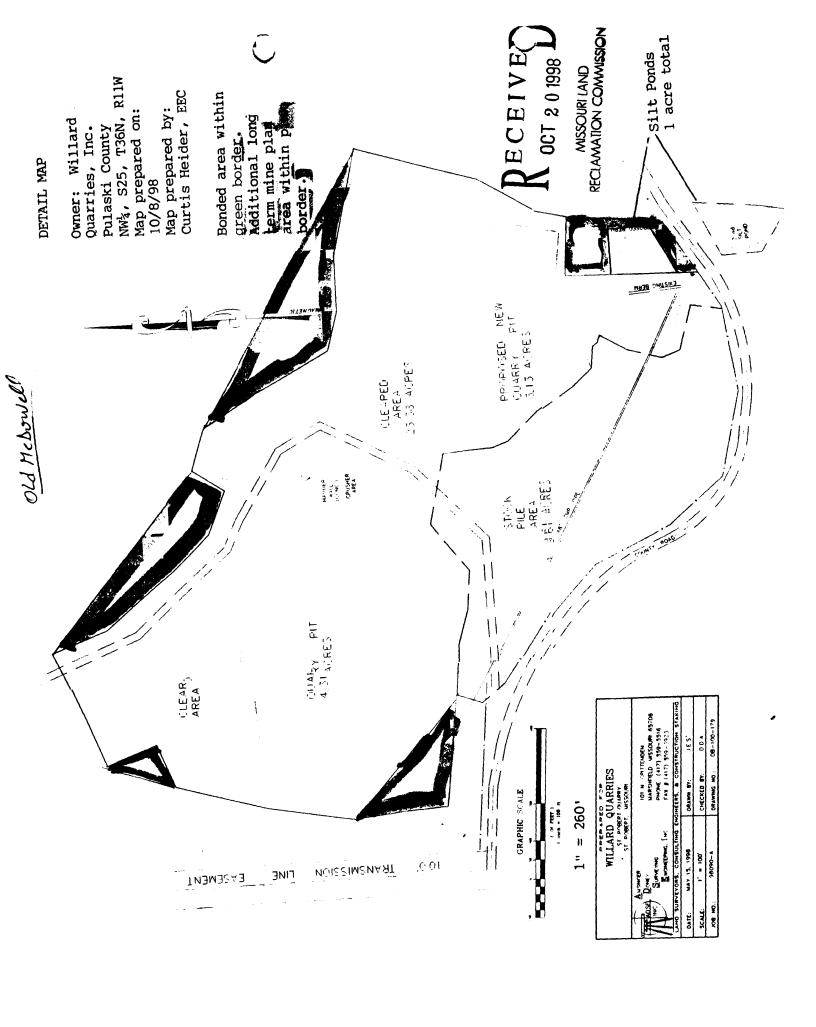
Map prepared by: Curtis Heider, EEC

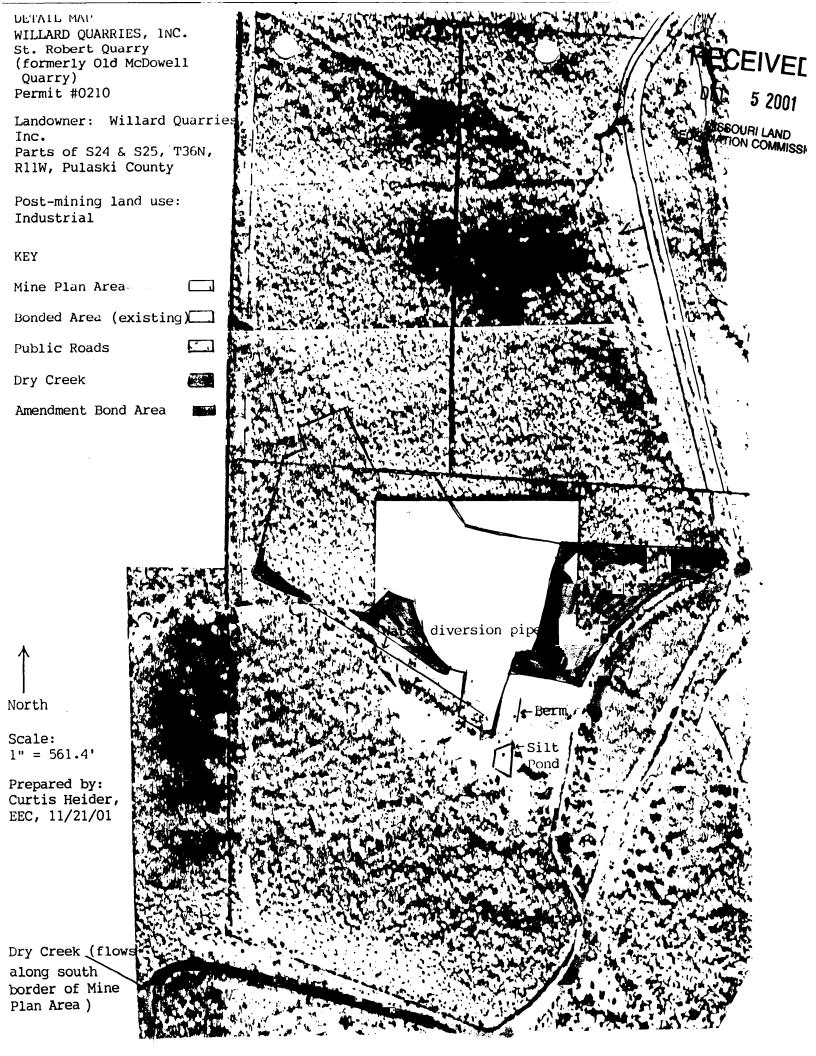
Willard Quarries, Inc. St. Robert Quarry Pulaski County, S25, T36N, R11W



MISSOURI LAND RECLAMATION COMMISSION







To be completed for each separate area of	PERMIT NU		······································	
	County	92-210		
Marshfield Quarry, Webster	county	JZ 210		
Willard Quarries	1/4 SECTION	SECTION		
COUNTY	1/4 SECTION			
Webster	. S1		- 1	
TOWNSHIP	RANGE	ACRES	•	
T31N	R18W	1	0	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)				
MINERAL COMMODITY	ESTIMATE	D TONS/YEAR (FOR GRAVE	L SITES)	
Limanhana				
Limestone	,			
NAME OF LANDOWNER (ATTACH LIST IF MORE TH	AN ONE)			
Bill Don Willard and Louise	e I. Willard			
ADDRESS				
Doube #E Doy 274				
Route #5, Box 274	STATE		ZIP CODE	
	Į			
Lebanon SOURCE OF RIGHT TO MINE (CHECK ONE):	Mi	ssouri	65536	
MINERAL DEED	LEASE		DATE OF AGREEMENT	
XX WARRANTY DEED		L AGREEMENT		
OTHER (DESCRISE):		<u>·</u>		
				
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE	THAN CNE)			
Hogmer A. Stevens, Jr.				
Route #3				
CITY	STATE		ZIP CODE	
Marshfield, Missouri 65706				
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT	
MINERAL DEED	X LEASE	:	9-92	
WARRANTY DEED	VERBA	L AGREEMENT	3-37	
OTHER (DESCRIBE):				
- men (desonice).				



MISSOURI DEPARTMENT (TIATURAL RESOURCES LAND RECLAMATION COMMISSION MINE PLAN

P.O. BOX 176 JEFFERSON CITY, MO 65102

after .
TYPE OF PLAN (CHECK ONE):
SHORT TERM, FOR ONE PERMIT YEAR LONG TERM, FOR PERIOD THROUGH DATE: 1-21-93 to 1-21-2068
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
Area was woods and pasture land before nining. The soil name is gasconade and is 0-2" deeps
Area was woods and pastare land before himing,
and is
The 501/ NIME 15 94500NIC AND 13
0-2 deep
·
,
ADED ATION DI ANI LAG CODI LA LAGONALIVA
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1. A. TOPSOIL
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL
We will use dozers and scripers to remove topsoil and relocate in a stockpile. The soils name is gasconade and is 0-2 inches deep.
WE WITH 43E DOZZIS GNA SCITISTIS
remove topsoil and relocate in a
6 1/2/15
Stockpile. The soils Name is agsconade and
0-7 inches deep.
Tananan salah
4
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION We will use dozes GND SZIAJOEIS to remove topsoil and relocate, IN a stockpile. It will be graded and seeded to prevent erosion
1 Commune two will use dozes
and strapers to the topsoil and relocate
in a in the term of the term o
IN a stockpile. It will be graded and seeded
to prevent organian
TIE!
DECEIVED 2x 1993
JAN 28 1993
MOSCULITAND
DEC 2 1 1992 RECLAMATION COMMISSION
RECLANATION RECLANATION
MISSOURI LAND
RECLAMATION CONVAISSION

B. SPOIL		AND LOCATION OF SPOIL DI ACEMENT AND DISPOSAL
All pla grv	ced g	and location of spoil placement and disposal from the pit will be verburden removed from the pit will be in the mined-out portions of the pit anded to transcisable slopes.
C. ACID		ALS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
		None
:		
₩.		
O DIT I	IEODAAA	TION (ONE ALL DIMENSIONS IN SECT.)
	LOCATION	TION (GIVE ALL DIMENSIONS IN FEET) I AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
	سم	he pit is located on the south- de of Bill Willard's property, and the
-	,	1 6 711 Willed's property, and the
	~	4th west side of Homer A. Stevens prop
		ECEIVER
,	ES	
		DEC 21 1992
	D.F.	MISSOURI LAND 993
	NEC-	ELAMATION CONVAISSION \ 98
YES	NO	/2 //2
	四	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	ū	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
	₽	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

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Marshfield

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	~	<u> </u>
RECLAMATION PLAN - 10 CSR 40	10.020(2)(D)2.	
A. REVEGETATION (Attach addit	ional sheets, if needed)	
REVEGETATION MIX #1	PURPOSE OR LAND USE 190 4N dm col	B. SEEDING OR PLANTING TIME 15 COMPTON
DESCRIBE METHODS AND EQUIPMENT TO	BE USED FOR SEEDING OR PLANTING	1
We will h.	ave little area to	seed, Since most
of our /	o acres will be	under water. What
little area	we have above we	seed, since most under water. What after will be disked
and seeded	by hand	

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fesche	15		
Clover	15	j	
REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PL	ANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
DEC 2 1 1992 MISSOURI LAND RECLAMATION COMMISSION		Jan 2 1093	

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Marshfield

• • •		
B. GRADING		
DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES Water reservoir, T Seservoir will be grade	The N access	Twill heal
ulated recorvair t	-, / ne , / o	
Water	My Slopes of t	he water
· · · · · · · · · · · · · · · · · · ·		
reservoir will be grade	and seeded,	
	i	
	ı	
	•	
	•	
	• !	
· 		
C DESCRIBE THE GENERAL SECUENCE AND TIMING OF	THE FOLLOWING ACTIVITIES	
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF GRADING 5/ope grading will Complete within 12 months at or initial permit renewal	THE FOLLOWING ACTIVITIES	
5/200 Carlinia INI	occur atter min	1)NS 15 COMPleto
Jipe grading with	1 1	· j s complete
formaling including all	topsoil replacement	shall be
complete within 12 months at	ter the vinantina	of the nernit
or initial permit renewal	characte	per all
o , , , , , , , , , , , , , , , , , , ,		
REPLACEMENT OF TOPSOIL	/ / /	/ ' /
The part of	the slopes abou	ie water will
		11/ 1 1/
have 2-4 INChes of	topsoil placed. H	Ill topsoil replaces
shall be complete within 12,	months after the exp	ration of the
ne mit of initial recent con	end	. •
have 2-4 inches of shall be complete within 12 permit or initial permit remarks		
REVEGETATION All grea above we and planting shall be comple expiration of the permit or of vegetation by the second	1/10 1/1	- / - 1
. All area above w	grek will be 5	ceded. Seeding
and history hall be and to	le. 11 211 1/4	after the
וורב צייות און או או או און און איין	TO WITH 29 MONTES	
expiration of the permit or	initial permit, revew	of with surviy
of we selection by the scand	growing segson	201
of the secure) / per.	1.26.99
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)		70
1-2	inches + 10 +011	tototal 1)"
D. USE OF LAND WHEN RECLAIMED		, , , _
D. COL OF LAND WILL RECLAIMED	ECEIVED	ESTIMATED ACRES:
Estimate acreage of each land use below, after reclamation	is in	TO THE ACTEU
	DEC 2	
Wildlife (forest or other habitat with livestock avaluded)	DEC 2 1 1992	
Wildlife (forest or other habitat with livestock excluded)	The state of the s	
_	MISSOCIAL LAND	
Agricultural (pasture, cropland, and horticultural)	LAMATION COMMISSION	1
3/6/	es - Transion	
Development (residential, industrial, and recreational)	Ay TUNES	
Weter impoundments (for wildlife, early lived, or development	nt) NATION CO	a
Water impoundments (for wildlife, agricultural, or development)	MAIN)
L		<u> </u>

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Marshfield

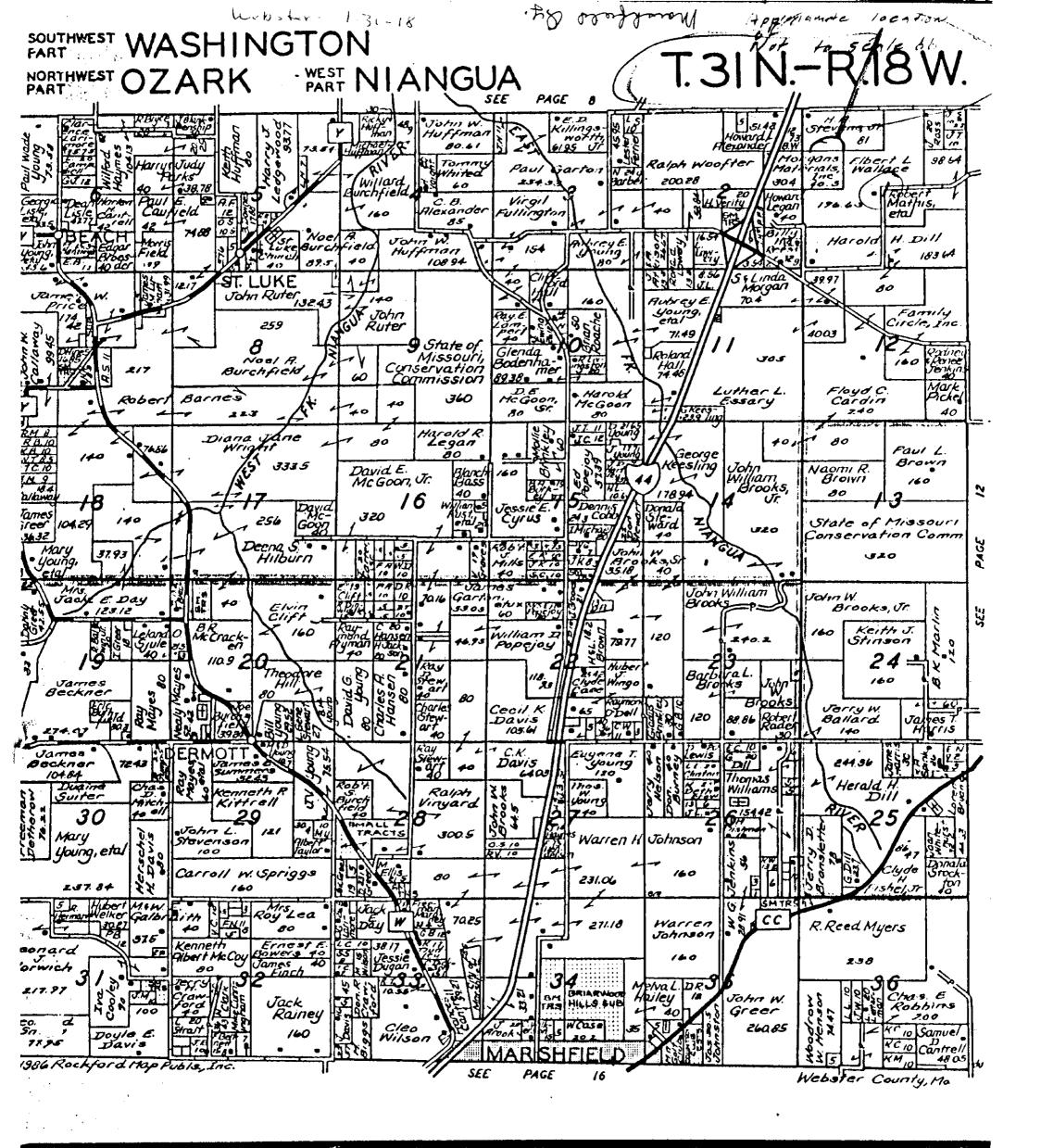
PAGE 4 OF 5

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

JEW 28 1993. WIND WARSON

SIGNATURE OF PPLICANT	Willas	Many	eg .	1-25	-93
NOTARY PUBLIC EMBOSSER SEAL	STATE		COUNTY (OR CIT	TY OF ST. LOUIS)	
	missouri	A DE C	Saci	<i>.</i> 00	
,	SUBSCRIBED AND SWORN BEFORE ME. T	0.7	<u> </u>		
	DAY OF	an 1975	USE RUBBE	R STAMP IN CLEAR A	REA BELOW
	NOTARY PUBLIC SIGNATURE Jum Comsingle	MY COMMISSION EXPIRES			
	NOTARY PUBLIC NAME (TYPED OR PRINDED)				·
APPROVED BY (DIRECTOR'S REPR	ESENTATIVE)	DATE APPROVED		PERMIT NUMBER	
L) Jany	de	4.27-0	74	.210.	·
MO 760-1327 (12-81)		•	Marsh	field	PAGE 5 C



WEBSTER COUNTY'S LARGEST VETERANS ORGANIZATION



Webster County Post 4101 Inc.

Veterans of Foreign Wars of the United States

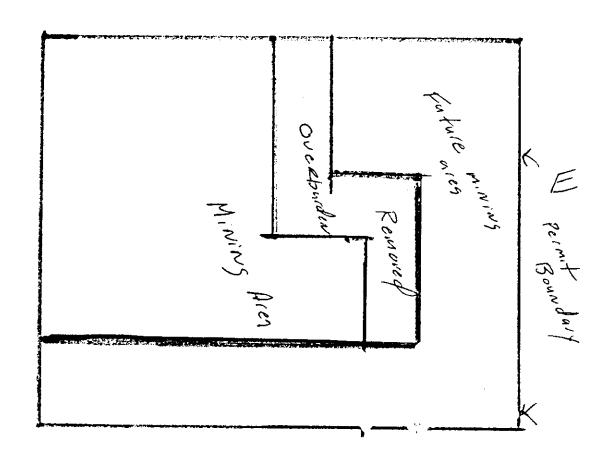
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